



Research And Development Center 2005 Project Efforts

Project Areas:

- **Aquatic Nuisance Species Prevention**
- **Human Error Reduction/Fatigue**
- **Intelligent Waterways Systems**
- **Oil & Hazardous Materials Spill Response**
- **Operation analysis Support Information and Simulation**
- **Search & Rescue (SAR)**
- **Special Services**
- **Wide Area Surveillance**

Aquatic Nuisance Species Prevention:

- Ballast Water Exchange
- Columbia River Aquatic Nuisance Species Program
- Shipboard Technology Evaluation Program

Human Error Reduction/Fatigue:

- Shipboard Fatigue Countermeasures

Intelligent Waterways Systems:

- Future Radio Navigation Capabilities

Oil & Hazardous Materials Spill Response:

- Airborne Detection of Heavy Oil Spills
- Oil Dispersants/NAS Study
- HAZMAT Spill Behavior and Trajectory Modeling
- Rapid HAZMAT Response Information
- Remote Chemical Detection Tools

Operational Analysis Support Information and Simulation

- Legacy Asset Sustainment Model
- R&DC Modeling and Simulation Core Capability
- Readiness Management Systems (RMS) Simulation

Search & Rescue (SAR):

- Environmental Info for SAR Operations
- Global Incident Notification
- Improving Usability of Digital Selective Calling
- SAR R&D Program analysis

Special Services:

- Aerosol Extinguishing Units for Machinery Space Protection
- Composite Wood Applications
- Gaseous Agent Evaluation for Kidde-Fenwal
- General Engineering Laboratory Support
- Shore Facilities Fuel Cell Demonstration
- Support for Ship Structure Committee

Wide Area Surveillance:

- MSPP Target Library Expansion for SAROPS
- SEE – RESCUE Streamer Evaluation

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